

## ABSTRACT

The present invention provides a plasma display device having an even and homogeneous dielectric layer and permitting a small luminance change over time. The plasma display device includes a first substrate, a second substrate disposed facing an inside of the first substrate so as to form a hermetically sealed discharge space therebetween, at least one pair of discharge sustain electrodes which are formed inside the first substrate 11 and forming a discharge gap therebetween, and the dielectric layer formed inside the first substrate so as to cover the discharge sustain electrodes. The dielectric layer has a low degassing film such that a total amount of degassing when increasing a temperature from room temperature to 1000 °C has hydrogen molecules not exceeding  $1 \times 10^{20}$  particles/cm<sup>3</sup> and water not exceeding  $5 \times 10^{20}$  particles/cm<sup>3</sup>.